Coverage

- Lectures covering topics 1-9 (from syllabus)

- Reading:
  - Sommerville Chs 1, 4, 5, 6, 7, 17, 16.4 10, 11, 12, and 31 (all EXCEPT: 31.2, 31.3.1)

- Topics:
  1. Introduction (FAQ’s, professional and ethical responsibility)
  2. Software processes (models, iteration, activities, RUP, CASE)
Coverage (cont’d)

Topics: (cont’d)

3. Project mgmt (activities, planning, scheduling, risk mgmt)

4. Software requirements (functional & non-functional, user, system, interface spec., SRS)

5. Requirements engineering (feasibility studies, elicitation & analysis, validation, management)

6. Prototyping/Rapid software development (agile methods, XP, RAD, prototyping, user interface prototyping)

7. Formal specification (role in SE, algebraic, model-based)
Coverage (cont’d)

- Topics: (cont’d)
  8. Architectural design (role in SE, structural models, control models, modular decomposition, reference architectures)
  9. Distributed systems architectures & Service-oriented SE (multiprocessing, client-server, distributed object, service-oriented SE)

- Pre- and post-condition specification homework exercise (with solutions)
Other resources

- Practice quiz problems
- Outside readings (these are not explicitly covered on the exam)
Ground Rules and Format

- You will have 60 minutes to complete the quiz.
- No notes, books, calculators, or PDA’s are allowed.
- All answers should be given in the spaces provided on the exam only.
- Question format may be short answer, matching, true/false, fill-in-the-blank, proofs, etc.
- The point-value of each question will be given.
Make-Up Exam Policy

- You are expected to make every effort to be available at the scheduled exam time.
- If missing the exam is unavoidable, please contact MIAS as far in advance as possible to make other arrangements.
Quiz 1 Notes

Advanced Software Engineering
Summer ’08